

REMARKS

Claims 1-10, 12-16 and 18 are pending. Claims 7-10, 16 and 18 have been allowed. By this Response claims 1, 6, 12 and 15 are amended and claim 5 canceled. Reconsideration and allowance based on the above amendments and comments below are respectfully requested.

The Office Action rejects claims 1-4 and 12-14 under 35 U.S.C. §102(b) as being anticipated by Troiano (US 4,376,952) and claims 5, 6 and 15 under 35 U.S.C. §103(a) as being unpatentable over Troiano in view of Nishino Kenji (JP06-12195). These rejections are respectfully traversed.

For reasons of brevity, Applicants hereby incorporates the arguments filed in the response dated February 28, 2007.

The Examiner on page 2 of the Office Action states that Troiano discloses at Col. 3, lines 43-57 Applicants claimed periodically varying of a frequency characteristic of the image signal. Applicants strongly disagree.

Col. 3, lines 43-57 of Troiano states:

The filtered luminance signal produced by filter 116 is applied via a sample gate 118 and an amplifier/limiter circuit 120 to the input of a pulse forming and averaging detector 122. Gate 118 is controlled by a sample pulse forming network 124 having an input connected to pulses. The function of network 124 having an input connected to terminal 112 for receiving horizontal synchronizing pulses. The function of network 124 is to enable gate 118 solely during the horizontal blanking interval of the luminance signal whereby gate 118 supplies a sampled luminance signal to amplifier/limiter 120 that is devoid of active video components of the luminance signal. For this purpose, network 124 may comprise a monostable multivibrator having a quasi-stable state less than the horizontal blanking interval and

triggered by the horizontal synchronizing pulse supplied to terminal 112.

This section of Troiano discusses the sampling of the luminance signal based on a pulse signal. The intent is to obtain a sample of the luminance signal at intervals designed to capture the luminance signal sample during the blanking interval to avoid capturing video components of the luminance signal in the sample. It would appear that the pulse occurs at regular intervals. However, the pulse triggers the capturing of the sample luminance signal, but the luminance signal itself is never varied or changed. In fact, it is necessary to avoid changing the luminance signal to obtain exact data from the sample.

Applicants note that the claim refers to the periodic varying of a frequency characteristic of the image signal. Thus, the frequency characteristic of the image signal itself is varied in a periodic manner. Therefore, a teaching from the prior art must provide an act upon the image signal itself in which a frequency characteristic of that image signal is varied in a periodic manner.

Certainly, the teachings in Troiano do not provide these claimed features. The use of a regular pulse to obtain a sample of the luminance signal does not purport to varying a frequency characteristic of the image signal itself. Nothing is varied in the luminance signal by the use of a pulse signal to obtain a sample of the signal. Further, the frequency characteristic itself must be periodic not a secondary signal. There is simply no teaching of varying the frequency characteristic of the image signal in a periodic manner in Col. 3 and in fact never does Troiano refer to or discuss a frequency characteristic.

Further, claims 1 and 12 as amended define the manner in which the frequency characteristics are varied. Claim 1 recites, said control circuit includes a coil having a primary winding and a secondary winding, and passes said image signal through said primary winding while controlling current

passing through said secondary winding to vary an inductance value of said primary winding in said periodic manner, thereby varying said frequency characteristic.

Claim 12 recites, Passing said image signal through a primary winding; and varying a frequency characteristic of the image signal by controlling current passing through a secondary winding to vary an inductance value of said primary winding in said periodic manner.

According to the present invention, since the inductance of a primary winding through which an image signal passes varies in a periodic manner, the frequency characteristic of the image signal can be varied in a periodic manner.

There is no teaching in Troiano of varying a frequency characteristic in the manner claimed. Further, Troiano fails to disclose or suggest a coil having a primary winding through which an image signal passes and a secondary winding.

Furhter, Nishino Kenji fails to remedy the deficiencies of Troiano. Nishino Kenji discloses coils L1 and L2 both of which alternating current passess, however, coils L1 and L2 are secondary windings which superimpose on a direct current. See paragraph 24 of Nishino Kenji. Thus, Nishino Kenji is silent with regards to a primary winding through which an image signal passes. Therefore, Nishino Kenji fails to remedy Troiano's deficiencies.

In view of the above, Applicants respectfully submit that Troiano fails to teach each and every feature of independent claims 1 and 12 as required. Further, Nishino Kenji fails to remedy the deficiencies of Troiano. Accordingly, reconsideration and withdrawal of the rejections are respectfully requested.

Interview Requested

In the event that the Examiner is not convinced by the above arguments and fails to withdraw the rejection, the Examiner is requested to contact Applicants representative in order to schedule an interview to expedite the prosecution of this application.

Conclusion

For at least the above reasons, it is respectfully submitted that claims 1-10, 12-16 and 18 are distinguishable over the cited art. Favorable consideration and prompt allowance are earnestly solicited.

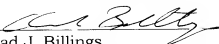
Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings Reg. No. 48,917 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit

Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

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Respectfully submitted,

By 

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